

Metal Stamping: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
332116, Metal stamping	2002..	1 703	1 795	66 307	2 423 484	49 971	100 508	1 518 011	5 239 233	3 995 192	9 236 546	420 951
	2001..	N	N	91 183	3 079 598	69 762	140 112	1 971 039	6 474 382	5 545 629	12 113 492	519 256
	2000..	N	N	98 575	3 413 207	76 978	160 686	2 235 191	8 326 083	6 381 795	14 621 475	717 635
	1999..	N	N	96 713	3 231 147	73 967	152 500	2 084 809	7 388 409	6 040 742	13 418 964	588 487
	1998..	N	N	95 402	3 159 060	74 085	154 658	2 042 318	6 856 422	5 791 217	12 614 240	586 788
	1997..	2 051	2 163	92 511	3 022 396	71 443	148 535	1 950 581	6 471 538	5 637 898	12 078 985	544 083

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
332116, Metal stamping												
United States	2	1 795	837	66 307	2 423 484	49 971	100 508	1 518 011	5 239 233	3 995 192	9 236 546	420 951
Alabama	1	21	11	1 247	32 220	994	2 028	22 204	61 113	61 934	124 844	4 397
Arizona	2	18	9	598	25 813	492	1 089	16 459	68 227	47 162	118 024	3 078
Arkansas	4	7	4	211	6 139	144	295	3 481	13 706	8 933	22 479	930
California	3	212	76	5 133	191 901	3 641	7 498	104 914	339 165	329 878	673 043	23 572
Colorado	2	11	6	371	10 857	305	640	7 764	18 717	13 638	32 540	1 409
Connecticut	1	84	40	3 160	140 748	2 435	5 122	96 880	254 976	213 245	468 289	17 556
Florida	3	33	12	1 168	44 819	800	1 643	23 858	86 563	46 064	138 628	8 791
Georgia	4	19	10	927	33 340	729	1 504	22 347	61 819	49 559	111 783	12 157
Idaho	—	6	2	147	4 412	92	187	2 479	8 897	3 402	12 737	430
Illinois	2	216	107	10 329	378 884	7 941	15 558	245 975	839 041	703 009	1 542 204	59 938
Indiana	1	62	33	2 296	83 408	1 744	3 757	55 435	174 452	169 033	339 427	10 581
Kansas	3	6	3	132	4 487	99	200	2 718	9 102	8 834	18 266	742
Kentucky	2	23	15	1 688	53 680	1 270	2 540	36 194	133 673	140 273	273 131	22 020
Massachusetts	1	57	22	1 671	65 946	1 255	2 562	40 089	123 153	73 955	197 841	4 582
Michigan	2	94	39	2 731	94 938	2 103	4 128	61 168	190 791	155 363	348 717	15 973
Minnesota	—	67	41	3 956	146 359	2 964	5 790	93 721	351 154	147 815	497 477	28 866
Mississippi	3	10	5	346	10 804	252	567	7 175	14 123	14 639	29 032	1 252
Missouri	—	33	13	1 050	37 252	765	1 376	21 498	80 898	61 069	143 161	5 276
New Hampshire	7	12	4	365	13 659	282	559	8 310	26 519	19 275	45 808	3 194
New Jersey	1	96	29	2 577	103 296	1 908	3 862	64 728	219 572	137 912	352 619	20 084
New York	2	95	46	2 830	99 757	2 169	4 207	62 910	200 372	136 891	336 416	31 161
North Carolina	1	28	16	866	30 876	643	1 331	19 002	71 899	95 379	163 690	7 760
Ohio	1	171	89	6 966	264 860	5 365	10 835	168 931	580 947	501 052	1 080 705	42 906
Oklahoma	7	14	7	424	11 466	291	551	7 168	31 149	22 200	53 531	3 801
Oregon	5	16	6	489	17 306	367	775	10 904	38 123	25 780	63 758	3 379
Pennsylvania	1	81	43	4 311	147 689	3 150	6 134	83 051	311 200	218 762	533 054	25 517
Rhode Island	5	37	9	573	22 854	422	813	13 051	47 800	35 376	80 355	4 565
South Carolina	5	12	5	408	16 355	311	659	10 811	33 530	40 879	74 284	3 161
Texas	4	70	33	1 736	57 280	1 308	2 716	36 252	122 992	95 301	218 673	15 045
Utah	—	6	4	343	9 373	178	363	4 160	17 855	28 128	45 188	896
Virginia	—	10	5	252	7 742	202	389	5 067	18 967	11 698	30 434	2 619
Washington	—	6	2	106	4 696	82	171	3 177	8 203	5 143	13 255	250
Wisconsin	1	85	55	4 644	175 820	3 537	7 156	106 382	528 187	255 204	784 681	23 132

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
332116, Metal stamping	
Companies ¹	number.. 1 703
All establishments ²	number.. 1 795
Establishments with 1 to 19 employees.....	number.. 958
Establishments with 20 to 99 employees.....	number.. 672
Establishments with 100 employees or more.....	number.. 165
All employees ³	number.. 66 307
Total compensation.....	\$1,000.. 2 933 637
Annual payroll.....	\$1,000.. 2 423 484
Total fringe benefits.....	\$1,000.. 510 153
Production workers, average for year.....	number.. 49 971
Production workers on March 12.....	number.. 49 835
Production workers on May 12.....	number.. 49 984
Production workers on August 12.....	number.. 50 106
Production workers on November 12.....	number.. 49 743
Production worker hours.....	1,000.. 100 508
Production worker wages.....	\$1,000.. 1 518 011
Total cost of materials.....	\$1,000.. 3 995 192
Materials, parts, containers, packaging, etc., used.....	\$1,000.. 3 340 654
Resales.....	\$1,000.. 162 701
Purchased fuels.....	\$1,000.. 35 934
Purchased electricity.....	\$1,000.. 92 018
Contract work.....	\$1,000.. 363 885
Quantity of electricity purchased for heat and power.....	1,000 kWh.. 1 327 340
Quantity of electricity generated less sold for heat and power.....	1,000 kWh.. 2 033
Total value of shipments.....	\$1,000.. 9 236 546
Primary products value of shipments.....	\$1,000.. 7 992 052
Secondary products value of shipments.....	\$1,000.. 966 607
Total miscellaneous receipts.....	\$1,000.. 277 887
Value of resales.....	\$1,000.. 182 855
Contract receipts.....	\$1,000.. 33 499
Other miscellaneous receipts.....	\$1,000.. 61 533
Primary products specialization ratio.....	percent.. 89
Value of primary products shipments made in all industries.....	\$1,000.. 8 843 331
Value of primary products shipments made in this industry.....	\$1,000.. 7 992 052
Value of primary products shipments made in other industries.....	\$1,000.. 851 279
Coverage ratio.....	percent.. 90
Value added.....	\$1,000.. 5 239 233
Total inventories, beginning of year.....	\$1,000.. 1 050 934
Finished goods inventories.....	\$1,000.. 420 915
Work-in-process inventories.....	\$1,000.. 248 687
Materials and supplies inventories.....	\$1,000.. 381 332
Total inventories, end of year.....	\$1,000.. 1 028 452
Finished goods inventories.....	\$1,000.. 426 480
Work-in-process inventories.....	\$1,000.. 241 001
Materials and supplies inventories.....	\$1,000.. 360 971
Gross value of depreciable assets (acquisition costs) at beginning of year.....	\$1,000.. 4 574 454
Total capital expenditures (new and used).....	\$1,000.. 420 951
Buildings and other structures (new and used).....	\$1,000.. 49 708
Machinery and equipment (new and used).....	\$1,000.. 371 243
Automobiles, trucks, etc., for highway use.....	\$1,000.. 18 874
Computers and peripheral data processing equipment.....	\$1,000.. 39 686
All other expenditures for machinery and equipment.....	\$1,000.. 312 683
Total retirements.....	\$1,000.. 269 269
Gross value of depreciable assets at end of year.....	\$1,000.. 4 726 136
Depreciation charges during year.....	\$1,000.. 321 468
Total rental payments.....	\$1,000.. 176 007
Buildings and other structures.....	\$1,000.. 122 617
Machinery and equipment.....	\$1,000.. 53 390
Total other expenses ⁴	\$1,000.. 1 954 815
Response coverage ratio ⁵	percent.. 782
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 66 666
Communications services ⁴	\$1,000.. 20 960
Legal services ⁴	\$1,000.. 15 544
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 18 732
Advertising and promotional services ⁴	\$1,000.. 23 657
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 16 021
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 8 702
Management consulting and administrative services ⁴	\$1,000.. 22 545
Taxes and license fees ⁴	\$1,000.. 34 687
All other expenses ⁴	\$1,000.. 1 727 302

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
332116, Metal stamping											
All establishments	2	1 795	66 307	2 423 484	49 971	100 508	1 518 011	5 239 233	3 995 192	9 236 546	420 951
Establishments with—											
1 to 4 employees	9	392	878	30 677	689	1 335	20 080	64 893	50 481	116 010	7 512
5 to 9 employees	7	290	1 922	73 010	1 490	3 018	47 616	146 730	113 485	259 379	13 786
10 to 19 employees	3	276	3 985	155 570	2 935	5 935	92 387	287 261	264 975	553 883	27 754
20 to 49 employees	1	444	13 993	511 862	10 469	21 004	312 391	1 091 211	765 964	1 850 397	80 853
50 to 99 employees	2	228	15 894	586 381	11 801	24 287	358 080	1 235 855	946 224	2 176 849	117 894
100 to 249 employees	2	141	20 118	738 965	15 217	30 961	480 624	1 661 436	1 238 716	2 914 811	101 833
250 to 499 employees	1	16	4 734	155 135	3 853	7 968	112 292	275 151	258 648	530 818	36 854
500 to 999 employees	—	8	4 783	171 884	3 517	6 000	94 541	476 696	356 699	834 399	34 465
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	557	2 336	84 926	1 876	3 786	56 613	164 254	137 486	301 579	18 671

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
332116	Metal stamping.....	1 795	66 307	2 423 484	49 971	100 508	1 518 011	5 239 233	3 995 192	9 236 546	420 951
3321161	Job stampings, except automotive ..	755	45 484	1 666 118	34 427	69 303	1 044 871	3 618 572	2 802 158	6 416 989	302 635
3321163	Metal spinning products, excluding cooking and kitchen utensils	24	1 026	37 748	788	1 674	24 161	75 459	38 597	114 007	3 730
3321166	Stamped and pressed metal end products, including vitreous (porcelain) enameled products	150	10 764	400 231	7 713	15 352	240 668	923 453	681 082	1 613 668	51 051

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
332116	Metal stamping	2002.. N 1997.. N	X X	X X	8 843 331 11 664 699
3321161	Job stampings, except automotive	2002.. N 1997.. N	X X	X X	5 969 083 7 976 387
33211611	Recreational vehicle metal job stampings (motor homes, travel trailers, etc.)	2002.. N 1997.. N	X X	X X	492 088 596 013
3321161101	Recreational vehicle metal job stampings (motor homes, travel trailers, etc.)	2002.. 74 1997.. 78	X X	X X	259 401 158 219
3321161115	Agricultural equipment metal job stampings, including tractor	2002.. 85 1997.. 111	X X	X X	232 687 437 794
33211612	Motor and generator metal job stampings	2002.. N 1997.. N	X X	X X	381 462 767 141
3321161205	Motor and generator metal job stampings	2002.. 88 1997.. 147	X X	X X	381 462 767 141
33211614	Computer and office machine metal job stampings	2002.. N 1997.. N	X X	X X	390 553 1 338 252
3321161421	Computer metal job stampings	2002.. 102 1997.. 177	X X	X X	341 392 1 176 751
3321161441	Office machine metal job stampings, excluding computer	2002.. 30 1997.. 64	X X	X X	49 161 161 501
33211615	Electrical appliance metal job stampings (residential, commercial, and industrial)	2002.. N 1997.. N	X X	X X	627 350 869 948
3321161525	Electrical appliance metal job stampings, except refrigeration and laundry equipment	2002.. 116 1997.. 185	X X	X X	240 692 302 638
3321161561	Refrigeration metal job stampings (residential, commercial, and industrial)	2002.. 57 1997.. 66	X X	X X	133 423 243 548
3321161571	Stove, heater, and air-conditioner metal job stampings (residential, commercial, and industrial), except automotive	2002.. 81 1997.. 103	X X	X X	202 452 221 255
3321161584	Laundry equipment metal job stampings (residential, commercial, and industrial)	2002.. 24 1997.. 37	X X	X X	50 783 102 507
33211613	Other metal job stampings	2002.. N 1997.. N	X X	X X	3 556 366 3 945 166
3321161311	Aviation metal job stampings	2002.. 71 1997.. 98	X X	X X	285 987 175 018
3321161331	Furniture metal job stampings	2002.. 86 1997.. 118	X X	X X	198 173 230 031
3321161352	Radio and phonograph metal job stampings, except automotive	2002.. 11 1997.. 20	X X	X X	43 456 31 163
3321161354	Television metal job stampings	2002.. 26 1997.. 48	X X	X X	105 938 189 445
3321161388	Other industrial equipment metal job stampings	2002.. 284 1997.. 364	X X	X X	764 691 833 722
3321161398	Other metal job stampings, except automotive	2002.. 456 1997.. 691	X X	X X	2 158 121 2 485 787
3321161Y	Job stampings, except automotive, nsk	2002.. N 1997.. N	X X	X X	521 264 459 867
3321161YVV	Job stampings, except automotive, nsk	2002.. N 1997.. N	X X	X X	521 264 459 867
3321163	Metal spinning products, excluding cooking and kitchen utensils	2002.. N 1997.. N	X X	X X	145 733 167 019
33211631	Metal spinning products, excluding cooking and kitchen utensils	2002.. N 1997.. N	X X	X X	145 733 167 019
3321163100	Metal spinning products, excluding cooking and kitchen utensils	2002.. 30 1997.. 69	X X	X X	145 733 167 019
3321166	Stamped and pressed metal end products, including vitreous (porcelain) enameled products	2002.. N 1997.. N	X X	X X	1 643 049 N
33211663	Metal electronic enclosures (stamped and pressed), excluding computer stampings	2002.. N 1997.. N	X X	X X	480 167 N
3321166361	Metal electronic enclosures (stamped and pressed), excluding computer stampings	2002.. 85 1997.. N	X X	X X	480 167 N
33211661	Stamped and pressed vitreous (porcelain) enameled metal architectural parts (exterior and interior), including store front and curtain wall components	2002.. N 1997.. N	X X	X X	170 231 N
3321166101	Stamped and pressed vitreous (porcelain) enameled metal architectural parts (exterior and interior), including store front and curtain wall components	2002.. 21 1997.. N	X X	X X	170 231 N
33211662	Stamped and pressed metal end products, excluding spinning products and metal electric enclosures	2002.. N 1997.. N	X X	X X	992 651 N
3321166211	Other stamped and pressed vitreous (porcelain) enameled products (including refrigerator and laundry equipment parts and commercial and hospital utensils), except cooking and kitchen utensils	2002.. 24 1997.. N	X X	X X	113 224 N
3321166221	Stamped and pressed metal chemical milling products, milled contoured metal, and clad and bonded metal products	2002.. 9 1997.. N	X X	X X	26 257 N
3321166231	Perforated metal end products	2002.. 22 1997.. N	X X	X X	179 467 N

See footnotes at end of table.

Table 6a. **Products Statistics: 2002 and 1997—Con.**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
332116	Metal stamping—Con.				
3321166	Stamped and pressed metal end products, including vitreous (porcelain) enameled products—Con.				
33211662	Stamped and pressed metal end products, excluding spinning products and metal electric enclosures—Con.				
3321166295	Other stamped and pressed metal end products, excluding spinning products	2002.. 127	X	X	673 703
	1997..	N	X	X	N
3321166Y	Stamped and pressed metal end products, including vitreous enameled products, nsk	2002.. N	X	X	—
	1997..	N	X	X	N
3321166YWV	Stamped and pressed metal end products, including vitreous enameled products, nsk	2002.. N	X	X	—
	1997..	N	X	X	N
332116W	Metal stamping, nsk, total	2002.. N	X	X	1 085 466
	1997..	N	X	X	610 043
332116WY	Metal stamping, nsk, total	2002.. N	X	X	1 085 466
	1997..	N	X	X	610 043
332116WYWW	Metal stamping, nsk, for nonadministrative-record establishments	2002.. N	X	X	788 412
	1997..	N	X	X	433 092
332116WYWY	Metal stamping, nsk, for administrative-record establishments	2002.. N	X	X	297 054
	1997..	N	X	X	176 951

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p–10 to 19 percent estimated; q–20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3321161	Job stampings, except automotive	
	United States.....	2002.. 5 969 083
		1997.. 7 976 387
	Alabama.....	2002.. 92 579
		1997.. 59 140
	Arizona.....	2002.. 83 259
		1997.. 51 584
	Arkansas.....	2002.. 14 956
		1997.. N
	California.....	2002.. 434 002
		1997.. 615 386
	Colorado.....	2002.. 20 028
		1997.. 74 711
	Connecticut.....	2002.. 300 237
		1997.. 418 838
	Florida.....	2002.. 89 742
		1997.. 120 810
	Georgia.....	2002.. 87 116
		1997.. 75 074
	Illinois.....	2002.. 1 083 266
		1997.. 1 580 542
	Indiana.....	2002.. 249 595
		1997.. 326 511
	Kentucky.....	2002.. 230 760
		1997.. 235 602
	Massachusetts.....	2002.. 117 781
		1997.. 257 272
	Michigan.....	2002.. 307 943
		1997.. 394 131
	Minnesota.....	2002.. 297 710
		1997.. 583 558
	Mississippi.....	2002.. 14 056
		1997.. 29 607
	Missouri.....	2002.. 86 676
		1997.. 89 584
	New Hampshire.....	2002.. 40 717
		1997.. 27 281
	New Jersey.....	2002.. 197 812
		1997.. 286 292
	New York.....	2002.. 154 273
		1997.. 259 026
	North Carolina.....	2002.. 124 870
		1997.. 84 967
	Ohio.....	2002.. 636 087
		1997.. 862 595
	Oklahoma.....	2002.. 15 228
		1997.. 20 738
	Oregon.....	2002.. 47 698
		1997.. 27 041
	Pennsylvania.....	2002.. 311 467
		1997.. 310 159
	Rhode Island.....	2002.. 52 693
		1997.. 52 507
	South Carolina.....	2002.. 69 021
		1997.. 16 576
	Texas.....	2002.. 106 493
		1997.. 198 561
	Virginia.....	2002.. 15 785
		1997.. 19 824
	Washington.....	2002.. 11 834
		1997.. 34 362
	Wisconsin.....	2002.. 470 633
		1997.. 595 865
3321163	Metal spinning products, excluding cooking and kitchen utensils	
	United States.....	2002.. 145 733
		1997.. 167 019
	California.....	2002.. 12 827
		1997.. 21 741
	Indiana.....	2002.. 31 004
		1997.. 20 867
	Ohio.....	2002.. 7 446
		1997.. 8 593
3321166	Stamped and pressed metal end products, including vitreous (porcelain) enameled products	
	United States.....	2002.. 1 643 049
		1997.. N
	Alabama.....	2002.. 15 366
		1997.. N
	California.....	2002.. 107 247
		1997.. N
	Connecticut.....	2002.. 120 261
		1997.. N
	Florida.....	2002.. 28 472
		1997.. N
	Illinois.....	2002.. 279 271
		1997.. N
	Indiana.....	2002.. 36 516
		1997.. N
	Massachusetts.....	2002.. 60 507
		1997.. N
	Michigan.....	2002.. 29 961
		1997.. N
	Minnesota.....	2002.. 147 388
		1997.. N
	Missouri.....	2002.. 42 972
		1997.. N
	New Jersey.....	2002.. 42 552
		1997.. N
	New York.....	2002.. 90 783

See footnotes at end of table.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997—Con.

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)	
3321166	Stamped and pressed metal end products, including vitreous (porcelain) enameled products—Con.		
	United States—Con.		
		1997..	N
	Ohio	2002..	247 292
		1997..	N
	Pennsylvania	2002..	135 120
		1997..	N
	Texas	2002..	41 060
		1997..	N
	Wisconsin	2002..	51 025
		1997..	N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
332116	Metal stamping		
00900001	Total materials .....2002..	X	3 340 654
	.....1997..	X	4 738 366
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....2002..	X	65 190
	.....1997..	X	155 837
33200095	Other fabricated metal products (excluding castings and forgings) .....2002..	X	333 260
	.....1997..	X	461 069
33151001	Iron and steel castings (rough and semifinished) .....2002..	X	106 620
	.....1997..	X	40 449
33152011	Nonferrous (aluminum, copper, etc.) castings (rough and semifinished) .....2002..	X	26 085
	.....1997..	X	10 080
33210000	Forgings .....2002..	X	3 268
	.....1997..	X	N
33120071	Steel bars and bar shapes (excluding castings, forgings, and fabricated metal products) .....2002..	X	72 295
	.....1997..	X	91 297
33120018	Steel sheet and strip (excluding tinplate) .....2002..	X	747 575
	.....1997..	X	N
33120079	Steel plate .....2002..	X	39 820
	.....1997..	X	57 670
33120025	Steel wire and wire products .....2002..	X	48 618
	.....1997..	X	30 069
33120013	Steel tinplate, tin free steel, terneplate, and blackplate .....1,000 s tons .....2002..	S	14 747
	.....1997..	S	36 028
33120028	All other steel shapes and forms (excluding castings, forgings, fabricated metal products, wire, wire products, tinplate, tin free steel terneplate, and blackplate) .....2002..	X	107 151
	.....1997..	X	N
33142111	Copper and copper-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	86 162
	.....1997..	X	122 710
33131500	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing .....2002..	X	61 237
	.....1997..	X	N
33131600	Aluminum and aluminum-base alloy extruded shapes (including extruded rod, bar, pipe, tube, etc.) mil lb .....2002..	S	9 421
	.....1997..	N	22 671
33100049	Other aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, sheet, plate, foil, welded tubing, extruded shapes, and fabricated metal products) .....2002..	X	62 275
	.....1997..	X	73 974
33100082	Other nonferrous metal shapes and forms (excluding aluminum and aluminum-base alloy and copper and copper-base alloy castings, forgings, and fabricated metal products) .....2002..	X	15 904
	.....1997..	X	N
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....2002..	X	15 065
	.....1997..	X	32 218
32551002	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied product .....2002..	X	14 657
	.....1997..	X	N
32500051	All other chemicals and allied products (excluding plastics materials and resins and paints, varnishes and allied products) .....2002..	X	11 529
	.....1997..	X	12 533
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....2002..	X	22 877
	.....1997..	X	17 780
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	47 868
	.....1997..	X	88 559
32200007	Other paper and paperboard products .....2002..	X	25 122
	.....1997..	X	20 720
33510000	Special dies, tools, die sets, jigs, and fixtures (excluding cutting tools for machine tools) .....2002..	X	23 750
	.....1997..	X	68 038
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	592 220
	.....1997..	X	N
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	787 938
	.....1997..	X	950 512

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.